NUMBER 2

Editorial
Original Communications:
Determination of the Spatial and Intensity Properties of Atrial Repolarization Potentials in the Dog
By *D.M. Mirvis and J.L. Wilson*..... 99
T Loop in Posterior Myocardial Infarction: A Useful Clue to Vectorcardiographic Diagnosis
By *F. Takatsu, J. Osugi, T. Nagaya, M. Uwatoko, S. Watabe and H. Ishikawa*..... 109
Exercise P-vector Magnitude Changes In Angina Pectoris: Frank-Vectorcardiographic and Hemodynamic Correlations
By *M. Yokota, H.X. Jing, S. Takagi, A. Tsunekawa, M. Koide, M. Iwase, M. Tsuzuki, R. Yoshida and I. Sotobata*..... 115
Diagnostic Implications of Figure-of-Eight and Clockwise QRS Loop Rotation on the Horizontal Vectorcardiogram in Chronic Aortic Valve Disease
By *S. Recke*..... 123
Limitations of Premature Ventricular Complex Morphology in the Diagnosis of Myocardial Infarction
By *J.M. Wahl, A-H. Hakki, A.S. Iskandrian and B.L. Segal*..... 131
Sinus Node Pacemaker Shift: A Phenomenon Induced By Premature Atrial Stimulation in Man?
By *G. Masini, R. Dianda, L. Zanetti and M. Masini*..... 137
Cardiac Cell Action Potential Duration Is Dependent Upon Induced Changes in Free Ca2+ Activity During pH Changes In Vitro
By *D.F. Stowe, Z.J. Bosnjak and J.P. Kampine*..... 143
The Circumflex Coronary Artery Occlusion Canine Model of Sudden Death: Methodology and Electrocardiographic Observations
By *R. Jouve, P.E. Puddu, F. Langlet, J-C. Guillen and A. Serradimigni*..... 155
The Role of Phospholipase in the Genesis of Reperfusion Arrhythmia
By *M. Ajioka, S. Nagai, K. Ogawa, T. Satake, S. Sugiyama and T. Ozawa*..... 165
Effects of Collateral Circulation on Electrophysiological Properties During the Acute Phase of Canine Myocardial Infarction
By *K. Matsuyama, K. Okumura, Y. Horio, S. Araki and H. Yasue*..... 173

Case Reports:
Hyperkalemia and Wolff-Parkinson-White Type Preexcitation Syndrome
By *M.R. Sridharan and N.C. Flowers*..... 183
Pseudo-Infarction ECG Pattern Due To Extreme Right Ventricular Hypertrophy
By *B.L. Chia and M. Choo*..... 189
Paroxysmal Supraventricular Tachycardia Initiated by a Swallowing-Induced Premature Atrial Beat
By *S-J. Yeh, M. Fu, F-C Lin, C-H. Chang and J-S. Hung*..... 193
Simultaneous Appearance of Endocardial Late Potentials and Ability To Induce Sustained Ventricular Tachycardia After Procainamide Administration
By *J.D. Gallagher, J. Fernandez, V. Maranhao and L.J. Gessman*..... 197

NUMBER 3

Original Communications:

Prediction of Sudden Death from QTc Interval Prolongation in Patients with Chronic Ischemic Heart Disease
By *P.E. Puddu and M.G. Bourassa*..... 203

Non-Invasive Detection of Coronary Artery Disease by Body Surface Electrocardiographic Mapping After Dipyridamole Infusion
By *K. Ikeda, S. Kawashima, I. Kubota, A. Igarashi, M. Yamaki, S. Yasumura, K. Tsuiki and S. Yasui*..... 213

Body Surface Potential Maps in Old Inferior Myocardial Infarction. Assessment of Diagnostic Criteria.
By *L. de Ambroggi, T. Bertoni, C. Rabbia and M. Landolina*..... 225

A Comparison of ST Segment Deviation and Calculated Solid Angle During Acute Regional Ischemia in the Isolated Canine Heart at Precordial, Epicardial and Intramyocardial Lead Surfaces
By *K. Maehara, H. Kyono, S. Kitaoka, Y. Shimizu, Y. Maruyama, K. Ashikawa, E. Ino-Oka and T. Takishima*..... 235

Assessment of Left Ventricular Hypertrophy by ECG and VCG in Patients With Inferior and Posterior Myocardial Infarction. A Comparison With Echocardiographic Data
By *F. Loperfido, A. Digaetano, P. Guccione, F. Desantis, C. Vigna, F. Laurenzi, N. Solfanelli, A. Ferrazza, F. Pennestri' and U. Manzoli*..... 247

The Cardiointegram: Detection of Coronary Artery Disease in Males with Chest Pain and a Normal Resting Electrocardiogram
By *L.E. Teichholz, M.Y. Steinmetz, D. Escher, M.V. Herman, S. Naimi, D.V. Mahony and M.H. Ellestad*..... 257

Effects of Autonomic Blockade on Dual Atrioventricular Nodal Pathways Pattern
By *N. Paparella, P. Alboni, R. Pirani, R. Cappato, A.M. Tomasi and A. Masoni*..... 269

Comparative Study of the Normal Vector Magnetocardiogram and Vector Electrocardiogram
By *J.J.O. Nousiainen, J.O. Lekkala and J.A.V. Malmivuo*..... 275

Case Reports:

Compensating Conduction Times as a Mechanism for Alternation During Reciprocating Tachycardia
By *L. Schamroth and P. Sareli*..... 291

Escape Rhythm and Paroxysmal Tacharrhythmia Originating From the Right Bundle
By *K.K. Talwar, J.C. Mohan and M.L. Bhatia*..... 295

Increasing Pre-excitation ("Concertina Effect") During Vasospastic Angina
By *S. Nakagawa, K. Maeda, T. Imamura, H. Kondoh, Y. Koiwaya and K. Tanaka*..... 299

Postectopic U Wave Normalization
By *M.H. Choo and B.L. Chia*..... 303

Abstracts:

Selected abstracts from the ISCE conference, April, 1986..... 305

NUMBER 4

Original Communications:

A Modified Treadmill Exercise Protocol For Computer-Assisted Analysis of the ST Segment/Heart Rate Slope: Methods and Reproducibility
By *P.M. Okin, O. Ameisen and P. Kligfield* 311

Exercise Testing and Thallium-201 Myocardial Perfusion Scintigraphy in the Clinical Evaluation of Patients With Wolff Parkinson White Syndrome
By *M.E. Poyatos, L. Suarez, J. Lerman, H. Guibourg, J. Camps and A. Perosio* 319

The Orthogonal Electrocardiogram as Risk Indicator for the Prediction of Myocardial Infarction and/or Cardiac Death
By *H.V. Pipberger, J.T. Doyle, S. Schlesselman, H.A. Pipberger, M. Halperin, C.D. McManus, M. Appel and W.S. Yamamoto* 327

A Comparison of Cumulated CK Release with Three Vectorcardiographic Methods of Estimating Myocardial Infarct Size
By *P. Grøttum and J.K. Kjekshus* 337

Magnitude and Location of a Dipole in a Circular Ring With Non-Insulating Boundaries
By *C.V. Nelson and J. Troquet* 347

Effects of Tocainide on Purkinje Fibers From Normal and Infarcted Ventricular Tissues
By *G.H. Dersham, J. Han, J.S. Cameron and D.P. O'Connell* 355

In Vitro Characteristics of Repolarization Abnormality—A Possible Cause of Arrhythmias
By *J. Kupersmith, P. Hoff and G.S. Duo* 361

High Frequency Electrocardiography Using an Advanced Method of Signal Averaging for Non-Invasive Detection of Coronary Artery Disease in Patients with Normal Conventional Electrocardiogram
By *S. Abboud, B. Belhassen, H.I. Miller, D. Sadeh and S. Laniado* 371

Experiences from the Use of Twenty-Four Precordial Chest Leads in Suspected Acute Myocardial Infarction
By *J. Herlitz, L. Sillfors and Å. Hjalmarson* 381

Case Reports:

Periodic Changes in Cycle Length of Ventricular Tachycardia: a Wenckebach Type Exit Block?
By *Y. Aizawa, T. Funazaki, M. Satoh, K. Suzuki, M. Aizawa and A. Shibata* 389

Second Degree Type II and Complete Atrioventricular Block Due to Hyperkalemia
By *J. Michaeli, M.M. Bassan and M. Brezis* 393

Spontaneous Directional Change of F Waves in Atrial Flutter
By *M. H. Choo, A.T. Tan and B.L. Chia* 397

The Electrocardiogram Often Fails To Identify Pericarditis After Percutaneous Transluminal Coronary Angioplasty
By *J.D. Slack and C.A. Pinkerton* 399

Index 403